

Comparisons of Job Characteristics

Focus Occupation: [Electricians \(47-2111\)](#)

Associated Occupation: [Helpers--Electricians \(47-3013\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Electricians (47-2111)

Associated Occupation: Helpers--Electricians (47-3013)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Building and Construction	4.0	14.8	14.6	0 Current knowledge level may be sufficient
Mechanical	6.8	13.4	16.5	> Current knowledge level is likely sufficient
Design	5.2	8.3	13.4	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 71

Focus Occupation: Electricians (47-2111)

Associated Occupation: Helpers--Electricians (47-3013)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Equipment Maintenance	3.5	8.0	10.3	> Skill level is likely sufficient
Repairing	3.4	7.6	11.6	>> Skill level is likely more than sufficient
Installation	1.7	5.7	9.4	>> Skill level is likely more than sufficient
Equipment Selection	3.3	5.1	8.4	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Electricians (47-2111)

Associated Occupation: Helpers--Electricians (47-3013)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Manual Dexterity	6.5	13.0	11.6	<	Some improvement in abilities may be required
Near Vision	11.1	12.9	12.3	0	Current ability level may be sufficient
Extent Flexibility	4.8	12.2	10.4	<	Some improvement in abilities may be required
Trunk Strength	5.7	10.0	9.4	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	10.0	12.8	>>	Current ability level is likely more than sufficient
Gross Body Equilibrium	3.2	9.2	8.2	<	Some improvement in abilities may be required
Gross Body Coordination	3.9	8.0	7.3	0	Current ability level may be sufficient
Dynamic Strength	3.5	7.4	6.6	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Electricians (47-2111)
Associated Occupation: Helpers--Electricians (47-3013)

Work Activities	Exclusivity of Activity
Bend tubing or conduit	81
Climb ladders, scaffolding, or utility or telephone poles	56
Construct or fabricate electrical parts or fixtures	92
Distinguish colors	44
Drive automobile, van, or light truck	53
Fabricate, assemble, or disassemble manufactured products by hand	11
Install electrical conduit or tubing	81
Install/string electrical or electronic cable or wiring	76
Maintain electrician's tools or equipment	92
Move or fit heavy objects	8
Read blueprints	10
Read tape measure	41
Read technical drawings	7
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test electronic or electrical circuit connections	66
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use measuring devices in construction or extraction work	41
Use soldering equipment	44

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 95

Focus Occupation: Electricians (47-2111)

Associated Occupation: Helpers--Electricians (47-3013)

Tools and Technologies	Exclusivity
Aerial lifts	13
Compressors	9
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Earth moving machinery	11
Electrical cable and accessories	47
Electrical hardware and supplies	47
Electrical measuring and testing equipment	7
Face and head protection	7
Fastener setting tools	12
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Labeling machines	33
Ladders and scaffolding	6
Lifting equipment and accessories	3
Machine tools	7
Marking tools	11
Measuring and layout tools	3
Personal communication devices	2
Power generators	16
Power tools	2
Prying and bending tools	10
Pulling tools	31
Respiratory protection	6
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Surveillance and detection equipment	11
Temperature and heat measuring instruments	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.